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OM protein - protein search, using sw model

Run on: December 5, 2002, 13:19:52 ; Search time 11 Seconds  
(without alignments)  
493.176 Million cell updates/sec

Title: US-09-765-034-2  
Perfect score: 1747  
Sequence: 1 MGIMAWNATCKNWLAABAA.....KSLTFSRWAHLLSFRK 334

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5  
Searched: 103943 seqs, 16242309 residues

Total number of hits satisfying chosen parameters: 103943

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

- Database : Published Applications\_AA.\*
- 1: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep.\*
  - 2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*
  - 3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*
  - 4: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep.\*
  - 5: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*
  - 6: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*
  - 7: /cgn2\_6/ptodata/2/pubpaa/PCTUS\_PUBCOMB.pep.\*
  - 8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep.\*
  - 9: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep.\*
  - 10: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*
  - 11: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*
  - 12: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB.pep.\*
  - 13: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*
  - 14: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1747	100.0	334	10	US-09-765-034-2
2	477	27.3	337	10	US-09-943-798-4
3	395.5	22.6	276	10	US-09-943-798-2
4	384	22.0	330	10	US-09-826-791-2
5	384	22.0	346	9	US-09-826-478-2
6	384	22.0	346	10	US-09-826-791-6
7	384	22.0	346	10	US-09-866-230-7
8	384	22.0	346	10	US-09-866-230-9
9	354.5	20.3	337	9	US-09-828-478-5
10	354.5	20.3	337	10	US-09-866-230-8
11	346	19.8	348	10	US-09-827-937A-17
12	338	19.3	339	9	US-09-828-478-4
13	338	19.3	339	10	US-09-848-889-12
14	338	19.3	339	10	US-09-788-133-2
15	338	19.3	367	9	US-09-828-478-6
16	336.5	19.3	363	10	US-09-864-761-42849
17	328.5	18.8	355	10	US-09-961-068-1
18	328.5	18.8	355	10	US-09-960-547-1
19	328	18.8	347	10	US-09-823-114-24

20	326.5	18.7	344	10	US-09-860-261-2	Sequence 2, Appli
21	325	18.6	350	9	US-09-104-063-2	Sequence 2, Appli
22	325	18.6	350	10	US-09-782-980-83	Sequence 83, Appl
23	325	18.6	350	10	US-09-884-430-7	Sequence 7, Appli
24	323	18.5	359	10	US-09-852-156-8	Sequence 8, Appli
25	321.5	18.4	359	10	US-09-867-569-9	Sequence 9, Appli
26	319	18.3	376	10	US-09-823-114-17	Sequence 17, Appl
27	319	18.3	394	10	US-09-823-114-22	Sequence 22, Appl
28	317.5	18.2	387	10	US-09-944-807-21	Sequence 21, Appl
29	317	18.1	359	10	US-09-966-871-81	Sequence 81, Appl
30	317	18.1	359	12	US-10-029-645-81	Sequence 81, Appl
31	315	18.0	380	10	US-09-966-871-77	Sequence 77, Appl
32	315	18.0	380	12	US-10-039-645-77	Sequence 77, Appl
33	314	18.0	360	10	US-09-852-156-10	Sequence 10, Appl
34	312.5	17.9	360	9	US-10-120-394-20	Sequence 20, Appl
35	312.5	17.9	360	10	US-09-837-446-2	Sequence 2, Appli
36	312.5	17.9	360	10	US-09-786-744-17	Sequence 17, Appl
37	312.5	17.9	376	10	US-09-966-871-76	Sequence 76, Appl
38	312.5	17.9	376	12	US-10-039-645-76	Sequence 76, Appl
39	312	17.9	380	10	US-09-214-904-6	Sequence 6, Appli
40	311.5	17.8	337	12	US-10-084-206-2	Sequence 12, Appl
41	311	17.8	360	10	US-09-852-156-12	Sequence 12, Appl
42	310.5	17.8	355	10	US-09-938-719-9	Sequence 9, Appli
43	310.5	17.8	355	10	US-09-939-226-9	Sequence 9, Appli
44	310.5	17.8	355	10	US-09-938-703-9	Sequence 9, Appli
45	306	17.5	369	10	US-09-823-114-9	Sequence 9, Appli

ALIGNMENTS

RESULT 1  
US-09-765-034-2  
; Sequence 2, Application US/09765034  
; Patent No. US20020137887A1  
; GENERAL INFORMATION:  
; APPLICANT: Hedrick, Joseph A.  
; APPLICANT: Lachowicz, Jean E.  
; APPLICANT: Wang, Wei  
; APPLICANT: Gustafson, Eric L.  
; TITLE OF INVENTION: Adenosine Receptor  
; FILE REFERENCE: CNO1084  
; CURRENT APPLICATION NUMBER: US/09/765,034  
; CURRENT FILING DATE: 2001-01-17  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 334  
; TYPE: PRT  
; ORGANISM: homo sapiens  
US-09-765-034-2

Query Match 100.0%; Score 1747; DB 10; Length 334;  
Best Local Similarity 100.0%; Pred. No. 4.3e-142;  
Matches 334; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGIMAWNATCKNWLAABAAEKYIISTFYGIEFVGVGNTIVYGYFSLKNNSSNI 60  
DB 1 MGIMAWNATCKNWLAABAAEKYIISTFYGIEFVGVGNTIVYGYFSLKNNSSNI 60  
QY YFNLVSLSAFLCTPLMIRSYANGNWIYGVLCISNRYVHANLYTSLTFTFSIDR 120  
DB YFNLVSLSAFLCTPLMIRSYANGNWIYGVLCISNRYVHANLYTSLTFTFSIDR 120  
QY YLIIKYPFEHLLOKKEFAILISLAIVLTLELLPLILNPVITDNGTCONDFASSGD 180  
DB YLIIKYPFEHLLOKKEFAILISLAIVLTLELLPLILNPVITDNGTCONDFASSGD 180  
QY PNNNLVSNCLTLLGLILFLFWCFYRYKIALFLKORNOVATAPLEKPLNVIYMAVVI 240  
DB PNNNLVSNCLTLLGLILFLFWCFYRYKIALFLKORNOVATAPLEKPLNVIYMAVVI 240  
QY PNNNLVSNCLTLLGLILFLFWCFYRYKIALFLKORNOVATAPLEKPLNVIYMAVVI 240  
DB PNNNLVSNCLTLLGLILFLFWCFYRYKIALFLKORNOVATAPLEKPLNVIYMAVVI 240  
QY FSVPTFPYHMRVRVIRASRLGSKQYQCTOVVINSFYIVTRPLAFINSVINPVFYLGD 300  
DB FSVPTFPYHMRVRVIRASRLGSKQYQCTOVVINSFYIVTRPLAFINSVINPVFYLGD 300

Db 241 FSVPTPHVNRVRIASRLGSKQYQCTQVINSFYIVTRPLAFNLVSNVFPVFLGSD 300  
Qy 301 HFRDMLNQLRHNFKSLTSFGRWAHELLSPREK 334  
Db 301 HFRDMLNQLRHNFKSLTSFGRWAHELLSPREK 334

RESULT 2  
US-09-943-798-4  
; Sequence 4, Application US/09943798  
; Patent No. US20020065215A1  
; GENERAL INFORMATION:  
; APPLICANT: Glaxo Group Limited  
; TITLE OF INVENTION: Polypeptide  
; FILE REFERENCE: QG1021  
; CURRENT APPLICATION NUMBER: US/09/943,798  
; CURRENT FILING DATE: 2001-08-31  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 4  
; LENGTH: 337  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-943-798-4

Query Match 27.3%; Score 477; DB 10; Length 337;  
Best Local Similarity 35.9%; Pred. No. 9.8e-34;  
Matches 110; Conservative 61; Mismatches 123; Indels 12; Gaps 6;  
Qy 8 NATCKNLAAEAALEKYLSIFYGIEFVVGVLGNTIVVGYIFSLKNWSSNIYLFNLSV 67  
Db 23 NCTDEN-----IPLKHHLPVIGLIIFGPGNAVAVTSTIFKMRPKWSTIIMLNAC 77  
Qy 68 SDLAFLCTPLMLIRSYANG-NWYGDVLCISNRYVLANLYTSILFTFISIDRYLIKY 126  
Db 78 TDLLYLTSPLLIHYASGENWIFGDFMCKFIRSFHFENLYSSILFTCFISIRYCVIHH 137  
Qy 127 PFREHLLQKKEFAILISLAIWLVLTLELLPILPINPVTONGTTCNDFASSGDPNVNLI 186  
Db 138 PMSCFSIHKTRCAVACAVVMIISLVAIVPMTFLTITSTNRTNRSACLDTSSDELTIKW 197  
Qy 187 YSMCLTLGLFLIPLFVCMCFYFKYKALFKQRNROVATALPLEKPLNIVMAVIFSVPFT 246  
Db 198 YNLILTATTCLPLVITLCYTTI-IHTLTHGLQDSCCLK-OKARRUTILLLLAFYVCFL 255  
Qy 247 PYHVMNRVRIASRLGSKQYQCT-QVINSFYIVTRPLAFNLVSNVFPVFLGSDHFRDM 305  
Db 256 PFHILVRIRIESRLLS---ISCSIEHQHEAVIYVSRPLAALNTFGNLLLYVVVSDNFQQA 312  
Qy 306 LMNQLR 311  
Db 313 VCSTVR 318

RESULT 3  
US-09-943-798-2  
; Sequence 2, Application US/09943798  
; Patent No. US20020065215A1  
; GENERAL INFORMATION:  
; APPLICANT: Glaxo Group Limited  
; TITLE OF INVENTION: Polypeptide  
; FILE REFERENCE: QG1021  
; CURRENT APPLICATION NUMBER: US/09/943,798  
; CURRENT FILING DATE: 2001-08-31  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 2  
; LENGTH: 276  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-943-798-2

Query Match 22.6%; Score 395.5; DB 10; Length 276;  
Best Local Similarity 35.1%; Pred. No. 7e-27;  
Matches 92; Conservative 54; Mismatches 109; Indels 7; Gaps 5;  
Qy 52 LKWNSSNIYLFNLSVSDLAFLCTPLMLIRSYANG-NWYGDVLCISNRYVLANLYTSI 110  
Db 1 MRPKWSSSTIIMLNACTDLDLTLSPFLIHYASGENWIFGDFMCKFIRSFHFENLYSSI 60  
Qy 111 LFTFTSIDRYLIKYPFREHLLQKKEFAILISLAIWLVLTLELLPILPINPVTONGT 170  
Db 61 LFTCFISIRYCVIHHPMSCFSIHKTRCAVACAVVMIISLVAIVPMTFLTITSTNRTNRS 120  
Qy 171 TCNDFASSGDPNVNLIYSMCLTLGLFLIPLFVCMCFYFKYKALFKQRNROVATALPLEK 230  
Db 121 ACULDTSSDELNTIKWYNLLLTATTCLPLVITLCYTTI-IHTLTHGLQDSCCLK-OKA 178  
Qy 231 LNLIVMAVIFSVPFTPYHVMNRVRIASRLGSKQYQCT-QVINSFYIVTRPLAFNLV 289  
Db 179 RRLTILLLLAFYVCFLPFHILVRIRIESRLLS---ISCSIEHQHEAVIYVSRPLAALNTF 235  
Qy 290 INPVFYELGDFRDMNQLR 311  
Db 236 GNLLLYVVVSDNFQQAVCSTVR 257

RESULT 4  
US-09-826-791-2  
; Sequence 2, Application US/09826791  
; Patent No. US20010039037A1  
; GENERAL INFORMATION:  
; APPLICANT: Pfizer Inc  
; TITLE OF INVENTION: No. US20010039037A1el Polypeptide  
; FILE REFERENCE: PC10914ADAM  
; CURRENT APPLICATION NUMBER: US/09/826,791  
; CURRENT FILING DATE: 2001-04-05  
; PRIOR APPLICATION NUMBER: 0008504.3  
; PRIOR FILING DATE: 2000-04-05  
; PRIOR APPLICATION NUMBER: 60/198,367  
; PRIOR FILING DATE: 2000-04-19  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 330  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-826-791-2

Query Match 22.0%; Score 384; DB 10; Length 330;  
Best Local Similarity 30.4%; Pred. No. 8.2e-26;  
Matches 102; Conservative 59; Mismatches 125; Indels 50; Gaps 11;  
Qy 8 NATCKNLAAEAALEKY---YLSIFYGIEFVVGVLGNTIVVGYIFSLKNWSSNIYLFN 64  
Db 4 NGTFSNNNSRNTIENFKREFPPIVLIIFFGVGLGSLIYVFLQPYKKSTSVNVFMLN 63  
Qy 65 LSVSDLAFLCTPLMLIRSYANG-NWYGDVLCISNRYVLANLYTSILFTFISIDRYLI 123  
Db 64 LAISDLLFTSTLPRADYVLRGNSWIFGDLACRIMSYLVNMYSSIYFLTVLSVVRFLA 123  
Qy 124 IKYFFR-EHLLQKKEFAILISLAIWLVLTLELLPILPINPVTONGTTCNDFASSGDPN 182  
Db 124 MVHPFRLHVTIRSAILCGI-IWILIMASSIMLL-----DSGSEQNGSVTS----- 170  
Qy 183 YNLIYSMCLTL-----LGFLIPFVCMCFYFKYK-IALFLKQRNROVATA 224  
Db 171 -----CLELNLVKIATQTMNVALVVGCLLPFTLSICYLIIIRVLLKVEVPESGLR 223  
Qy 225 LPLEKPLNLVIMAVIFSVPFTPYHVMNRVRIASRLGSKQYQCTQVINSFYIVTRPLA 284  
Db 224 VSHRKALTTIITLIIFLCFLPFYHTLRV---HUTTWKVGGLCKD-RLHKALVITLALA 278  
Qy 285 FLNSVNPVFPVFLGDFRDMNQLR--HNFKSLT 318

Db 279 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 314

## RESULT 5

US-09-826-478-2

Sequence 2, Application US/09828478  
Patent No. US20020155528A1

GENERAL INFORMATION:

APPLICANT: Xiao, Yonghong

TITLE OF INVENTION: Regulation of Human CysLT2-Like GPCR

TITLE OF INVENTION: Protein

FILE REFERENCE: 04974.00458

CURRENT APPLICATION NUMBER: US/09/828,478

CURRENT FILING DATE: 2001-04-09

PRIOR APPLICATION NUMBER: 60/195,196

PRIOR FILING DATE: 2000-04-07

PRIOR APPLICATION NUMBER: 60/254,876

PRIOR FILING DATE: 2000-12-13

NUMBER OF SEQ ID NOS: 16

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 2

LENGTH: 346

TYPE: PRT

ORGANISM: Homo sapiens

US-09-826-478-2

Query Match 22.0%; Score 384; DB 9; Length 346;

Best Local Similarity 30.4%; Pred. No. 8,6e-26;

Matches 102; Conservative 59; Mismatches 125; Indels 50; Gaps 11;

8 NATCKNWLAAEALEKX---YLSIFGIEFVGVGNTIVVGYIFSLKNMSSNIYLFN 64

20 NGTFSSNNNSNCTIENFKKEFPPIVLIIFPWGVLGNGLSIYFLOPKKSTSVNVFMNL 79

65 LSVSDLAFLCTLPMLIRSYANG-NWYGDVLCISNRVYLANLYSILFLTFISIDRYLI 123

80 LAISDLFLISTLPFRADYILRGSNWIFGDLACRIMSYSLVNMYSIYFLTVLSVRFLLA 139

124 IKYPR-EBLLQKEFAILISLAIWLVLTLELPIPLINPVITDNGTTCNDPSSGDPN 182

140 MWHPFRLHVTIRSAMWLCGI-IWILIMASSIML-----DSGSQNGSVTS---- 186

183 YNLIYSMCLTL-----LGFLIPLFVMCFEYK-IALFLKORNRQVATA 224

187 -----CLELNYKIATKQTMNYIALVVGCLLPFTLSICVLIIRVLKVEVPESGLR 239

225 LPLEKPLNIVMAVIFSVPFTEYHVRNVRIASRLGSKWQYOCOTGVINSFYIVTRPLA 284

240 VSHRKALTTITIIILIFLFCFLPYHTLRTV---HLTWKVGLCKD-RLHKALVITLALA 294

285 FLNSVINPVYFLLGDHFRDMLMNQLR--HNFKSLT 318

295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

Db

295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

Db

295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

Db

295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

Db

295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

Db

295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

Db

295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

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295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

Db

295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

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295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

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295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

Db

295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

Db

295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

Db

295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

Db

295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

Db

295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-826-791-6

Query Match 22.0%; Score 384; DB 10; Length 346;

Best Local Similarity 30.4%; Pred. No. 8,6e-26;

Matches 102; Conservative 59; Mismatches 125; Indels 50; Gaps 11;

8 NATCKNWLAAEALEKX---YLSIFGIEFVGVGNTIVVGYIFSLKNMSSNIYLFN 64

20 NGTFSSNNNSNCTIENFKKEFPPIVLIIFPWGVLGNGLSIYFLOPKKSTSVNVFMNL 79

65 LSVSDLAFLCTLPMLIRSYANG-NWYGDVLCISNRVYLANLYSILFLTFISIDRYLI 123

80 LAISDLFLISTLPFRADYILRGSNWIFGDLACRIMSYSLVNMYSIYFLTVLSVRFLLA 139

124 IKYPR-EBLLQKEFAILISLAIWLVLTLELPIPLINPVITDNGTTCNDPSSGDPN 182

140 MWHPFRLHVTIRSAMWLCGI-IWILIMASSIML-----DSGSQNGSVTS---- 186

183 YNLIYSMCLTL-----LGFLIPLFVMCFEYK-IALFLKORNRQVATA 224

187 -----CLELNYKIATKQTMNYIALVVGCLLPFTLSICVLIIRVLKVEVPESGLR 239

225 LPLEKPLNIVMAVIFSVPFTEYHVRNVRIASRLGSKWQYOCOTGVINSFYIVTRPLA 284

240 VSHRKALTTITIIILIFLFCFLPYHTLRTV---HLTWKVGLCKD-RLHKALVITLALA 294

285 FLNSVINPVYFLLGDHFRDMLMNQLR--HNFKSLT 318

295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

Db

295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

Db

295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

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295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

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295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

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295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

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295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

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295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

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295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

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295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

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295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

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295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

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295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

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295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

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295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

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295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

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295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

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295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

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295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

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295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

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295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

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295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

Db

295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330

Db

295 AANACFNPLLYFAGENFKDRLKSALRKGHPOKAKT 330



Qy 184 NLIYSMCLTLLGLIP--LEVMCFEYKIALFLKORNOVATALLPEKPLINLVIMAVIF 241  
Db 186 VLVHVSLEFVGFIIIEFVITIVCYMTIITLLKSMKKNLSH---KKAIGMIVVTAA 242  
Qy 242 SVFETPYHWRNRIRISRLGSMKQOYQTOV--INSFYIVRPLAFINSVINPVFYLGD 300  
Db 243 LVSFMPYHQRTHLHPLHNETK--PCDSVLRMQKSVITLSLAASCCPDPILLYFSSGG 300  
Qy 301 HFRDMLMNLQRHNFKSLTSFSR 322  
Db 301 NFRKRLSTPRKSLSVTYPR 322

RESULT 11  
US-09-827-937A-17  
Sequence 17, Application US/09827937A  
Patent No. US20020052043A1  
GENERAL INFORMATION:  
APPLICANT: Li, Yi  
APPLICANT: Ruben, Steven M.  
TITLE OF INVENTION: Human G-Protein Coupled Receptors  
FILE REFERENCE: 1488.1220003  
CURRENT APPLICATION NUMBER: US/09/827,937A  
CURRENT FILING DATE: 2001-04-09  
PRIOR APPLICATION NUMBER: 08/852,824  
PRIOR FILING DATE: 1997-05-07  
NUMBER OF SEQ ID NOS: 18  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 17  
LENGTH: 348  
TYPE: PR  
ORGANISM: Homo sapiens  
US-09-827-937A-17

Query Match 19.8%; Score 346; DB 10; Length 348;  
Best Local Similarity 28.7%; Pred. No. 1.5e-22;  
Matches 95; Conservative 69; Mismatches 135; Indels 32; Gaps 10;  
Qy 15 LAEALAEKRYLIFGYIEFVGVGLNTIVVGYIFSLKMNSSNIYLFNLSVSDLAFLC 74  
Db 20 LVAHSTARIWPLHYSLVETIGLVGNLALVIVQRKINSITLSTNLVSDILEFTT 79  
Qy 75 TLEMLIRSYANG-NWITYGDLVCISNRVYLANLYTSILFLTFSIDRYLIKYPREHLL 133  
Db 80 ALPTRIAYAMGDMRIGDALCRITALVFYINTYAGNFTCTSIDRFIVAGHPLKYNKI 139  
Qy 134 QKKEPILISLAIWLVLTLELPILPINVTIDNG--TTQNDPSSGDDNYMLIYSMCL 191  
Db 140 KRIEHAQGVCIFFWILVFAQTLP--LINPMSKQEAERITCMEY-----PNFEETKSLPW 192  
Qy 192 TLL-----GLILFLFVWCFFYYKIALFLKORNOVATALLPEKPLINLVIMAVY 239  
Db 193 ILLGACFEGVLPILITIKICYSQICCLFRTAQ---NPLETKSGVKNKALNTIILIIY 248  
Qy 240 IFSVPTPYVMNVRILASRLGSMKQOYQTOVINSFY---VTRPLAFINSVINPVFYF 296  
Db 249 VFVLCFTPHVAIIQHMIKRLRFSNPLESQ--RHSFOISLHFTVCLMNCMDPEIYF 306  
Qy 297 LIGDHFRLMNLQRHNFK-SLTSFSRWAHE 326  
Db 307 FACKGYKRYMRMLKROVSIVSISAVKSAPE 337

RESULT 12  
US-09-828-478-4  
Sequence 4, Application US/09828478  
Patent No. US20020155528A1  
GENERAL INFORMATION:  
APPLICANT: Xiao, Yonghong  
TITLE OF INVENTION: Regulation of Human CysLT2-Like GPCR  
FILE REFERENCE: 04974.00458  
CURRENT APPLICATION NUMBER: US/09/828,478

Qy 184 NLIYSMCLTLLGLIP--LEVMCFEYKIALFLKORNOVATALLPEKPLINLVIMAVIF 241  
Db 186 VLVHVSLEFVGFIIIEFVITIVCYMTIITLLKSMKKNLSH---KKAIGMIVVTAA 242  
Qy 242 SVFETPYHWRNRIRISRLGSMKQOYQTOV--INSFYIVRPLAFINSVINPVFYLGD 300  
Db 243 LVSFMPYHQRTHLHPLHNETK--PCDSVLRMQKSVITLSLAASCCPDPILLYFSSGG 300  
Qy 301 HFRDMLMNLQRHNFKSLTSFSR 322  
Db 301 NFRKRLSTPRKSLSVTYPR 322

Query Match 19.3%; Score 338; DB 9; Length 339;  
Best Local Similarity 27.5%; Pred. No. 7.1e-22;  
Matches 84; Conservative 65; Mismatches 126; Indels 30; Gaps 6;  
Qy 18 EALEKRYLISFYGIEFVGVGLNTIVVGYIFSLKMNSSNIYLFNLSVSDLAFLCTLP 77  
Db 26 EFPLENNLPASFYLDIFLALVGNLTALWLFTRDHKSGTPANVFLMHLAVADLSCVLVLP 85  
Qy 78 -MLIRSYANGNMYGDLVCISNRVYLANLYTSILFLTFSIDRYLIKYPREHLLQKK 136  
Db 86 TRLVYHFSGNHMPFGEIACRLTGFLYLMVYASIVFLTCISADRFIAIVHPKSLKLRP 145  
Qy 137 EFAILISLAIWLVLTLELPILPINVTIDNGTTQNDPSSGDDPNYMLIYSMCLTLLGF 196  
Db 146 LVAHLCALFNVVAVAMAPLVSPTQVOTNHTVCLQYREKASHALV---SLAVAF 201  
Qy 197 LIPFLVWCFFYYKIALFLKORNOVATALLPEKPL-----NLVIMAVIFSVPFPPYHM 251  
Db 202 TPEPITTVTCYLLIIRSLQ-----GLRVEKRLKTKAVRMIAIVLFLVCFFVYHN 254  
Qy 252 RNRIRISRLGSMKQOY-----CTQVINSFYIVTRPLAFINSVINPVFYLGDHFRM 305  
Db 255 RSVYLV-----HYKSHGASCATORILALANRITSCLTSLNGALDPIMYFVAEKFRHA 307  
Qy 306 LMNQL 310  
Db 308 LCNLL 312

RESULT 13  
US-09-848-889-12  
Sequence 12, Application US/09848889  
Patent No. US2002025555A1  
GENERAL INFORMATION:  
APPLICANT: Au-Young, Janice  
APPLICANT: Guegler, Karl J.  
APPLICANT: Cheng, Muzong  
TITLE OF INVENTION: GPCR DIAGNOSTIC FOR BRAIN CANCER  
FILE REFERENCE: PC-0042 CIP  
CURRENT APPLICATION NUMBER: US/09/848,889  
CURRENT FILING DATE: 2001-05-03  
NUMBER OF SEQ ID NOS: 12  
SOFTWARE: PERL Program  
SEQ ID NO 12  
LENGTH: 339  
TYPE: PR  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc feature  
OTHER INFORMATION: Incyte ID No. US2002025555A1 9992700  
US-09-848-889-12

Query Match 19.3%; Score 338; DB 10; Length 339;  
Best Local Similarity 27.5%; Pred. No. 7.1e-22;  
Matches 84; Conservative 65; Mismatches 126; Indels 30; Gaps 6;  
Qy 18 EALEKRYLISFYGIEFVGVGLNTIVVGYIFSLKMNSSNIYLFNLSVSDLAFLCTLP 77  
Db 26 EFPLENNLPASFYLDIFLALVGNLTALWLFTRDHKSGTPANVFLMHLAVADLSCVLVLP 85

